

CITY OF MOUNTAIN VIEW  
APPLICATION FOR INDUSTRIAL WASTES DISCHARGE PERMIT

SFUND RECORDS CTR  
2807-91347

Date June 1, 1983

No. \_\_\_\_\_

SFUND RECORDS CTR  
**88171522**

A. Name or Organization Raytheon Company  
Address 350 Ellis Street, Mountain View, CA 94043  
Address of Point of Discharge 350 Ellis Street (I.D. South)  
Individual Responsible Name M. Ohm, Environmental Coordinator  
for Industrial Waste Signature Michael Ohm  
Attach Map Showing Point of Discharge, Sampling Points, and Waste Treatment Facility

415-986-9211  
Telephone #

B. Flow Rate: Average 150,000 gals/day Max. 175,000 gals/day Peak Hourly 300 GPM

C. Submit separate statement:

1. Detailing type of industry and nature of products
2. Listing chemicals used and approximate concentrations
3. Describing waste treatment facilities
4. Giving characteristics of exceptional industrial wastes
5. Concerning radioactive wastes
6. Naming organic solvents discharged and concentration at point of discharge

D. Indicate the point of discharge concentration of the following characteristics and mass emission rates where applicable.

Biochemical oxygen demand (B.O.D.)	<u>400</u> mg/l	Grease and oil, total	<u>200</u> mg/l
Chemical oxygen demand (C.O.D.)	<u>1,000</u> mg/l	Hydrogen Ion content pH	<u>5.5/10</u>
Total Solids, Average	<u>1,500</u> mg/l	Fluoride	<u>5.0</u> mg/l
Suspended Solids, Average	<u>1,000</u> mg/l	Temperature	<u>120</u> °F

	Max. Conc. Allowable mg/l	Allowable Mass Emission Rate kg/day		Max. Conc. Allowable mg/l	Allowable Mass Emission Rate kg/day
Arsenic	<u>0.05</u>	_____	Cyanides	<u>0.5</u>	_____
Barium	<u>2.5</u>	_____	Formaldehyde	<u>2.5</u>	_____
Beryllium	<u>0.5</u>	_____	Lead	<u>0.25</u>	_____
Boron	<u>0.5</u>	_____	Manganese	<u>0.5</u>	_____
Cadmium	<u>0.05</u>	_____	Mercury	<u>0.025</u>	_____
Chromium Hexavalent	<u>0.5</u>	_____	Nickel	<u>0.5</u>	_____
Chromium Total	<u>1.0</u>	_____	Phenols	<u>0.5</u>	_____
Cobalt	<u>0.5</u>	_____	Selenium	<u>1.0</u>	_____
Copper	<u>1.0</u>	_____	Silver	<u>2.5</u>	_____
Cresols	<u>1.0</u>	_____	Zinc	<u>2.5</u>	_____

NOT TO BE COMPLETED BY APPLICANT

Permit to Discharge Industrial Wastes in Accordance with This  
Application Subject to Attached General and Specific Conditions

\_\_\_\_\_  
Maintenance Director

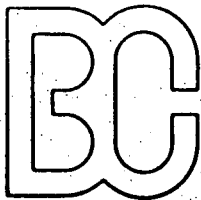
\_\_\_\_\_  
Date

Permit to Discharge Exceptional Industrial Waste Approved  
List Details:

\_\_\_\_\_  
Maintenance Director

348

\_\_\_\_\_  
Date



# BROWN AND CALDWELL

CONSULTING ENGINEERS  
ANALYTICAL SERVICES DIVISION

1255 POWELL STREET  
EMERYVILLE, CA 94608  
PHONE (415) 428-2300

Log No. E83-5-27-1

Date Sampled 5/2-3/83  
Date Received 5/3/83  
Date Reported 5/18/83

Page 1 of 2

Reported To:

Mr. Manfred Ohm  
Raytheon Company  
350 Ellis Street  
Mountain View, California 94042

cc.

*J. Hatfield*  
Laboratory Director

Log No.	Sample Description
5-27-1	5/2-3/83, 24-hour Composite, 12:30 p.m. - 12:30 p.m., South Effluent
5-27-2	5/2/83, Grab, 12:30 p.m., South Effluent

Concentration: mg/L (unless otherwise indicated)

	5-27-1	5-27-2				
pH (units)	6.1	----				
Biochemical Oxygen Demand	310	----				
Chemical Oxygen Demand	450	----				
Total Solids (percent)	0.15	----				
Total Suspended Solids	11	----				
Temperature °F	58	----				
Oil and Grease	----	< 5				
Fluoride	113	----				
Cyanide	< 0.02	----				
Phenols	9.4	----				
Formaldehyde	0.78	----				
Ammonia Nitrogen (as N)	31	----				
Boron	0.17	----				
Arsenic	0.001	----				
Barium	< 0.4	----				

Log No. **E83-5-27**

Date Reported 5-18-83

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**Concentration: mg/L**

[illegible]

**BROWN AND CALDWELL**

CONSULTING ENGINEERS  
ANALYTICAL SERVICES DIVISION

1255 POWELL STREET  
EMERYVILLE, CA 94608  
PHONE (415) 428-2300

Log No. E83-5-69

Date Sampled 5/5-6/83

Date Received 5/6/83

**Date Reported** 5/17/83

**Reported To:**

Mr. Manfred Ohm  
Raytheon Company  
350 Ellis Street  
Mountain View, California 94042

CC-

**Laboratory Director**

[illegible][illegible]

**BROWN AND CALDWELL**

CONSULTING ENGINEERS  
ANALYTICAL SERVICES DIVISION

1255 POWELL STREET  
EMERYVILLE, CA 94608  
PHONE (415) 428-2300

Log No. E83-5-98

Date Sampled 5/9-10/83  
Date Received 5/10/83  
Date Reported 5/16/83

Reported To: Mr. Manfred Ohm  
Raytheon Company  
350 Ellis Street  
Mountain View, California 94042

**CC.**

*J. B. [Signature]*  
Laboratory Director

<b>Log No.</b>	<b>Sample Description</b>
	<b>24-HOUR COMPOSITE</b>
8-1	North Effluent
8-2	South Effluent

[illegible]